

UMMC Standard Operating Procedure For Handling

5-Bromo-2'-deoxyuridine (BrdU)

Prepared by the Department of Environmental Health and Safety

Hazard: The compound is moderately toxic, teratogenic, embryotoxic, and mutagenic. It is absorbed by various body tissues through the intestinal tract and transplacentally. Avoid formation and breathing of aerosols.

Laboratory operations should be conducted in a fume hood, glove box, or ventilated cabinet.

Avoid skin contact: If exposed, wash with soap and cold water.

Avoid washing with solvents and exposure to UV light.

Avoid rubbing of skin or increasing its temperature.

For eye exposure: irrigate immediately with large amounts of water.

For ingestion: induce vomiting, drink milk or water. Refer to gastric lavage.

For inhalation: Remove victim from promptly to clean air. Administer rescue breathing if necessary. Refer to a physician.

Unused Material and Instrument Disposal: Surplus BrdU will be disposed by EHS as a hazardous waste. Used syringes will be placed in a sharps container and disposed as *Regulated Medical Waste*.

PPE for handling or change out of treated animals:

N95 mask

Eye protection

Lab Coat

Water proof disposable gloves (Wash Hands after removing gloves following handling BrdU)

Shoes and socks

Waste Disposal: **The first cage change after each drug administration is to be done by trained technicians no sooner than 3 days after the administration.** After this first cage change there is no need for further special precautions to be taken regarding the animals or the cages as long as the animals have not received any more BrdU. Potentially contaminated carcasses, bedding, and other nonsharps materials will be disposed as *Regulated Medical Waste* through incineration.

Cage Disinfection: Cages and accessories are transported to the cage washing facility for disinfecting. Regular cage wash sanitization meets requirements for cleanup.

Contact the Safety Officer – Chemicals at 601-984-1981 if additional information is needed.